Geological Time Scale Project

Due Date: __________ (Major Grade)  Geologic Time Period: _____________________________
Work Days: __________________________

You have been assigned a specific time period in Earth’s geologic history to research. You may work by yourself or with one other person. Please be aware that both partners will receive the same grade, so choose wisely! Your final project will be submitted in 2 parts which are weighted unequally.

- **Part 1: 70%** - This is the electronic part of the research project. Part 1 can be organized as a PowerPoint/Prezi, infographic, or a research paper in proper research format. Research papers should be well organized with section titles and a cover page. For each format the last page/slide is for reference. Projects not submitted appropriately by the due date will be considered LATE. It is HIGHLY recommended that you submit electronic projects one day early to avoid loading/computer problems. If your teacher is not able to successfully open your project electronically on the due date, it is considered LATE. Please make sure the title of your file has your Time Period and Period #. And everyone’s name in the file itself. Email is jill.burkey@cfisd.net

- **Part 2: 30%** - This will be a portion of a physical copy of a colorful, geologic time scale which will illustrate significant events that occurred during your assigned time period.

*You MUST turn this paper in with your project (Rubrics on back)*

**Part 1 Requirements:**
- Name of time period
- Origin of the name
- Eon and Era that the time period is part of
- Epochs that the period is divided into
- Absolute ages of time period (ex. 245 mya - 65 mya)
- Latitude(s) of Texas during this time period
  - Source: "From Texas to Antarctica"  
    www.ig.utexas.edu/research/projects/plates/movies/texant.ppt
- **Information about major life forms on Earth**
  - Remember the major Kingdoms from biology -  
    (Bacteria, Protists, Fungi, Plants, Animals)
  - Include pictures and/or drawings
  - This is more than just a list of organisms. You should describe their habitat and explain why they were a dominant life form.
- Map showing the geography of the Earth (locations and names of major landmasses and oceans labeled). Label the location of Texas. Highlight the locations of glaciers and/or deserts.
- **Significant climate and atmospheric information**
- **Significant catastrophic/geologic events and/or mass extinctions**
- Pictures/Graphics/Color
- **References (MLA format)**

**Part 2 Requirements:**
- Using the supplied butcher paper cut out a strip the correct length for your time period. The scale will be 30 million years = 1 foot. Each Era will have a different colored background.

<table>
<thead>
<tr>
<th>Era</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precambrian</td>
<td>RED</td>
</tr>
<tr>
<td>Paleozoic</td>
<td>BLUE</td>
</tr>
<tr>
<td>Mesozoic</td>
<td>ORANGE</td>
</tr>
<tr>
<td>Cenozoic</td>
<td>YELLOW</td>
</tr>
</tbody>
</table>

- The height of your strip of paper must be 8 inches tall.
The left side of the strip of paper will represent the beginning of your time period (old), and the right side of your paper will represent the end of your time period (young).

Your section must be GRAPHIC, COLORFUL, NEAT and clearly LABELED with the name of your time period.

Include pictures or drawings of significant events and organisms that occurred during your time period.

Students having Quaternary and Tertiary MUST work together to create Part 2.

Geological Time Project Rubrics

Part 1 Rubric:

<table>
<thead>
<tr>
<th>Content</th>
<th>Possible Points</th>
<th>Points Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of time period and origin of name</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Names of Eon / Era / Epochs</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Absolute Ages (start &amp; end times)</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Latitude(s) of Texas</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Life on Earth</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Labeled map of land/oceans, Texas, glaciers, deserts</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Climate information</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Catastrophic / Geologic Events and/or Mass Extinctions</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Pictures / Graphics / Color</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>References</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Mechanics (grammar / spelling / own words)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Neatness / Creativity / Correct Format</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>Total Points – Part 1</strong></td>
<td><strong>70</strong></td>
<td></td>
</tr>
</tbody>
</table>

Part 2 Rubric:

<table>
<thead>
<tr>
<th>Content</th>
<th>Possible Points</th>
<th>Points Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of time period</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Absolute Ages (start &amp; end times)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Pictures/Drawings of Catastrophic / Geologic events and/or Mass Extinctions</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Pictures/Drawings of Organisms</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Neatness / Creativity / Color</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td><strong>Total Points – Part 2</strong></td>
<td><strong>30</strong></td>
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</tr>
<tr>
<td><strong>TOTAL GRADE</strong></td>
<td><strong>100</strong></td>
<td></td>
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</tbody>
</table>

*Teacher Comments:*